

Small Unmanned Aerial System High Performance Payload

**Proposed Recipient:** AEROSPACE MISSIONS CORPORATION

**Address of Recipient:** 7362 Remcon Circle; El Paso, TX 79912

**Amount of Request:** \$5 Million

**Explanation of Request:**

**Purpose:** The Hand Launched Unmanned Aerial System High Performance Payload [HPP] program will mature and demonstrate the first and only micro hyper spectral imager that is sufficiently small, lightweight and inexpensive for deployment on a hand launched UAV. The SUAS HPP improves the warfighters' ability to assess battle damage and to detect and identify targets (such as vehicles, personnel, mines) in camouflage, concealment and deception.

**Why is it a good use of Taxpayer funds:** The Small Unmanned Aerial System High Performance Payload [HPP] program directly addresses the U.S. Army's Fiscal Year 2008 Unfunded Requirements for Night Vision and Counter-IED, especially small, lightweight and inexpensive passive spectral imaging payloads; and the Army's Fiscal Year 2009 Unfunded Requirements for tactical intelligence and exploitation. The additional funding will be used to further the development of the SUAS HPP and accelerate its availability to warfighters. The SUAS HPP promises a robust beyond-line-of-sight capability to support difficult target location and identification at ranges beyond which the enemy can detect our warfighters.